

Attorney's Docket: 2002DE114
Serial No.: 10/516,928
Group: 1755

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Amendments to the Claims

1. (Currently Amended) A composition comprising a mixture of finely ground waxes comprising 5 to 99% of component A two or and one or more components selected from the group consisting of A, B, C, and D, wherein component A is an ester wax, component B is an amide wax, component C is a hydrocarbon wax, and component D is an oxidized long-chain hydrocarbon wax, wherein the composition is selected from the group consisting of printing inks, plastics, crop-protection preparations and lubricants for plastics.
2. (Cancelled)
3. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 21, wherein the natural ester wax is selected from the group consisting of montane-montan waxes, carnauba wax, candelilla wax, sugarcane wax and mixtures thereof.
4. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 4-3, wherein the montane-montan wax is selected from the group consisting of montane wax acid, derivatives of montane wax acid esters of montan wax acid, soaps of montan wax acid, esteramides of montan wax acid, a mixture of esters of montan wax acid, soaps of montan wax acid or esteramides of montan wax acid with long-chain fatty acids and mixtures thereof.
5. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 2-1, wherein the synthetic ester wax is selected from the group consisting of sorbitan esters of saturated fatty acids, esters of polyols, and mixtures thereof.

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6. (Currently Amended) The ~~mixture of finely ground waxes composition~~ as claimed in claim 2_1, wherein the ~~synthetic ester wax~~ is a copolymer composed of long-chain olefins having from 5 to 18 carbon atoms and of unsaturated acids.

7. (Cancelled)

8. (Currently Amended) The ~~mixture of finely ground waxes composition~~ as claimed in claim 6, wherein the copolymer is a copolymer whose carboxy functionality has been modified via reaction with ~~long chain alcohols tallow fatty alcohol, coconut fatty alcohol, oxo alcohols, perfluoroalkyl alcohols, short chain amines, or long chain or amines.~~

9. (Cancelled)

10. (Currently Amended) The ~~mixture of finely ground waxes composition~~ as claimed in claim 8, wherein the perfluoroalkyl alcohols are C₈-C₁₈-perfluoroalkylpropanol or narrower cuts thereof.

11. (Currently Amended) The ~~mixture of finely ground waxes composition~~ as claimed in claim 8, wherein the ~~short chain amines~~ are butylamine, dimethylaminopropylamine, diethylaminoethanol, tetramethylpiperidinol, or diacetonediamine.

12. (Currently Amended) The ~~mixture of finely ground waxes composition~~ as claimed in claim 8, wherein the ~~long chain amines~~ are tallow fatty amine, octylamine, palmitylamine, or stearylamine.

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13. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 1, wherein the amide wax is the reaction product of an amine component and of long-chain fatty acids or hydroxy fatty acids or mixtures thereof.
14. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 13, wherein the amine component is ethylenediamine, or hexamethylenediamine.
15. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 1, wherein the amide wax is the reaction product of ammonia and of long-chain fatty acids, hydroxy fatty acids, or mixtures thereof.
16. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 1, wherein the amide wax is the reaction product of long-chain amines and of long-chain fatty acids, hydroxy fatty acids or mixtures thereof.
17. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 1, wherein the hydrocarbon wax is a polyethylene wax.
18. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 17, wherein the polyethylene wax is a polyethylene wax prepared by the Ziegler process or by metallocene technology.
19. (Previously Presented) The mixture of finely ground waxes composition as claimed in claim 4-17, wherein the polyethylene wax is a Fischer-Tropsch wax.
20. (Cancelled)

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21. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 1, further comprising

from 40 to 90% by weight of component A
from 0 to 60% by weight of component B
from 0 to 60% by weight of component C, and
from 0 to 60% by weight of component D,
where the entirety of the components is 100% by weight.

22. through 26. (Cancelled)

27. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 5, wherein the esters of polyols are selected from the group consisting of pentaerythritol, glycerol, trimethylolpropane, with long-chain fatty acids and/or their mixtures, and mixtures thereof.

28. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 6, wherein the copolymer is selected from the group consisting of acrylic acid, methacrylic acid, maleic anhydride, itaconic acid, and derivatives thereof.

29. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 28, wherein the derivatives are methyl, ethyl, butyl, and/or 2-ethylhexyl esters of acrylic acid, methacrylic acid, maleic anhydride, or itaconic acid.

30. (Currently Amended) The mixture of finely ground waxes composition as claimed in claim 16, wherein the long-chain amines are selected from the group consisting of hydrogenated tallow fatty amine, stearylamine, palmitylamine, and coconut fatty amine.

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31. and 32. (Cancelled)